Today's Date: 5/16/05

What date would you like to use to limit the search?

Priority Date: 1/11/02   Other:

Name: Nguyen, Cam Linh

AU: 2161   Examiner #: 78921

Room #: RND-3C21   Phone: 4024

Serial #: 10/044,720

Format for Search Results (Circle One):

(PAPER)   DISK   EMAIL

Where have you searched so far?

USP   DWPI   EPO   JPO   ACM   IBM TDB

IEEE   INSPEC   SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

- Virtual buffers

- EOC

- calculate distance between EOC

STIC Searcher: Geoffrey St. Leger   Phone: 23540

Date picked up: 5/16/5   Date Completed: 5/16/5

STIC
Search and Information
Resources Administration

STIC Database Tracking Number

TO: Cam-Linh T Nguyen
Location: RND 3C21
Art Unit : 2161
Monday, May 16, 2005

Case Serial Number: 10/044720

From: Geoffrey St. Leger
Location: EIC 2100
Randolph-4B31
Phone: 23450

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached please find the results of your search request for application 10/044720. I searched Dialog's patent files, technical databases and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B31/x23540

STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher or contact*:

Anne Hendrickson, EIC 2100 Team Leader
272-3490, RND 4B28

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* ☐   *Example: 2133*

➤ *Relevant prior art **found**, search results used as follows:*

     ☐ 102 rejection

     ☐ 103 rejection

     ☐ Cited as being of interest.

     ☐ Helped examiner better understand the invention.

     ☐ Helped examiner better understand the state of the art in their technology.

     Types of relevant prior art found:

     ☐ Foreign Patent(s)

     ☐ Non-Patent Literature
        (journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art **not found**:*

     ☐ Results verified the lack of relevant prior art (helped determine patentability).

     ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

Set	Items	Description
S1	259755	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR - PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? - OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ?)
S2	28318	(DISTANCE? ? OR SIMILARITY)(7N)(VALUE? ? OR SCORE? ? OR NU- MBER? ? OR NUMERAL? ? OR FUNCTION? ?)
S3	3796	S1 AND S2
S4	1429	S3(5N)(SMALLER OR MINIMAL OR MINIMUM OR LEAST OR LOWEST OR LOWER OR BELOW OR ABOVE OR (LESS OR MORE)()(THEN OR THAN) OR - GREATER OR HIGHER OR LARGER OR BIGGER OR MAXIMUM OR THRESHOLD? ?)
S5	26049	(SUMMARY OR SUMMARIES OR SUMMARIZ? OR SUMMARIS? OR ABSTRAC- T? OR SYNTHES? OR SYNOPSI?)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADC
S6	5	S4 AND S5
S7	125475	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER- ??? OR CATEGORIZ? OR CATEGORIS?)(5N)(STORY OR STORIES OR ARTI- CLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFO- RMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR W- EBPAGE? ? OR B
S8	384780	(BUFFER??? OR MEMORY OR RAM OR STACK OR QUEU????)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S9	4529	S2(5N)(SMALLER OR MINIMAL OR MINIMUM OR LEAST OR LOWEST OR LOWER OR BELOW OR ABOVE OR (LESS OR MORE)()(THEN OR THAN) OR - GREATER OR HIGHER OR LARGER OR BIGGER OR MAXIMUM OR THRESHOLD? ?)
S10	1123	S3 AND S9
S11	5	S10 AND S5
S12	0	S11 NOT S6
S13	74	S10 AND S7:S8
S14	24	S13 AND IC=G06F
S15	5591	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR - PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? - OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(7N)(BUFFER? ? OR QUEUE? ?)
S16	16	S15 AND S2
S17	6398	(SIMILAR OR ANALAGOUS OR COMPARABLE OR EQUIVALENT)(3W)(STO- RY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLI- P? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S18	271	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER- ??? OR CATEGORIZ? OR CATEGORIS?)(7N)S17
S19	6	S18 AND S5
S20	5	S18 AND S2
S21	4	S20 NOT S19
S22	12	S18 AND (S1 OR S15)

19/5/4   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012413614   **Image available**
WPI Acc No: 1999-219722/199919
XRPX Acc No: N99-162560
   Document, e.g. book, paper, report, processing apparatus for producing a
   new, more readable summary by referring to and utilizing stored past
   text and group of summary - has summary unit which refers to
   summary sentence obtained by summary sentence acquisition unit and
   produces summary sentence of document obtained by document
   acquisition unit
Patent Assignee: JUST SYSTEM KK (JUST-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 11053396   A   19990226 JP 97219301   A   19970729 199919 B

Priority Applications (No Type Date): JP 97219301 A 19970729
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 11053396   A   9 G06F-017/30

Abstract (Basic): JP 11053396 A
       NOVELTY - A summary unit refers to a summary sentence obtained by
   summary sentence acquisition unit and produces a summary sentence of
   the document obtained by a document acquisition unit. DETAILED
   DESCRIPTION - The document obtained by the document acquisition unit is
   in a predetermined format. A similar - document searching unit
   searches for the group of the summary of the obtained document , a
   similar past document, and a document from the database. The summary
    sentence acquisition unit obtains the summary sentence from the
   searched document . INDEPENDENT CLAIMS are also included for the
   following:a memory medium which stores a document processing program;
   and a document processing method.
       USE - For producing a new, more readable summary by referring to
   and utilizing stored past texts and group of summary .
       ADVANTAGE - Has high accuracy and produces a summary which allows
   easy understanding of the contents of a document. DESCRIPTION OF
   DRAWING(S) - The figure is a block diagram showing the structure of the
   document processing apparatus.
       Dwg.1/6
Title Terms: DOCUMENT; BOOK; PAPER; REPORT; PROCESS; APPARATUS; PRODUCE;
   NEW; MORE; READ; SUMMARY; REFER; STORAGE; PASS; TEXT; GROUP; SUMMARY;
   SUMMARY; UNIT; REFER; SUMMARY; SENTENCE; OBTAIN; SUMMARY; SENTENCE;
   ACQUIRE; UNIT; PRODUCE; SUMMARY; SENTENCE; DOCUMENT; OBTAIN; DOCUMENT;
   ACQUIRE; UNIT
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

 19/5/5   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012394513   **Image available**
WPI Acc No: 1999-200620/199917
XRPX Acc No: N99-148448
   Document processing apparatus for automatic production of summary to
   various books, papers and reports - produces summary of documents
   automatically for every similar   document   group , grouped by
   similar   document   group production unit
Patent Assignee: JUST SYSTEM KK (JUST-N)

Number of Countries: 001   Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 11045288   A   19990216 JP 97218229   A   19970729 199917   B

Priority Applications (No Type Date): JP 97218229 A 19970729
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
JP 11045288   A   11 G06F-017/30

Abstract (Basic): JP 11045288 A
       NOVELTY - The summary of a **document** is produced automatically by
    a summary production unit for every **similar   document   group**
    grouped by **similar   document   group** production.unit. Similarity
    between the documents is computed by a similarity calculation unit with
    several documents of predetermined format acquired by a document
    acquisition unit. DETAILED DESCRIPTION - INDEPENDENT CLAIMs are
    included for the following: document processing method;a processing
    program memory medium
       USE - For automatic production of summary to various books, papers
    and reports.
       ADVANTAGE - Unifies **summary** of every **similar   group** .of
    documents offering convenience to read. DESCRIPTION OF DRAWING(S) -
    The figure shows block diagram of document processing apparatus.
       Dwg.1/11
Title Terms: DOCUMENT; PROCESS; APPARATUS; AUTOMATIC; PRODUCE; SUMMARY;
   VARIOUS; BOOK; PAPER; REPORT; PRODUCE; SUMMARY; DOCUMENT; AUTOMATIC;
   SIMILAR; DOCUMENT; GROUP; GROUP; SIMILAR; DOCUMENT; GROUP; PRODUCE; UNIT
Derwent Class: T01
International Patent Class (Main): G06F-017/30
International Patent Class (Additional): G06F-017/27
File Segment: EPI

Set	Items	Description
S1	527215	DISTANCE? ? OR SIMILARITY
S2	23254	S1(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PR-ESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR -TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S3	159828	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER-??? OR CATEGORIZ? OR CATEGORIS?)(5N)(STORY OR STORIES OR ARTI-CLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFO-RMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR W-EBPAGE? ? OR B
S4	155786	(BUFFER??? OR MEMORY OR RAM OR STACK OR QUEU????)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S5	38150	S1(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ? OR -FUNCTION? ?)
S6	6449	S5(5N)(SMALLER OR MINIMAL OR MINIMUM OR LEAST OR LOWEST OR LOWER OR (LESS OR MORE)()(THEN OR THAN) OR GREATER OR HIGHER -OR LARGER OR BIGGER OR MAXIMUM OR THRESHOLD? ?)
S7	74408	(SUMMARY OR SUMMARIES OR SUMMARIZ? OR SUMMARIS? OR ABSTRAC-T? OR SYNTHES? OR SYNOPSI?)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADC
S8	270	S2(50N)S3:S4(50N)S6(50N)S7
S9	111	S8 AND IC=G06F
S10	58	S3:S4(10N)S6
S11	38	S2(50N)S10
S12	37	S11 AND AY=(1970:2002)/PR
S13	2415	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER-??? OR CATEGORIZ? OR CATEGORIS?)(7N)S5
S14	358	S13(20N)S6
S15	56	S14(100N)S7
S16	52	S15 NOT S10
S17	153516	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR -PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? -OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ?)
S18	9586	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER-??? OR CATEGORIZ? OR CATEGORIS?)(10N)S17
S19	45	S6(50N)S18
S20	37	S19 NOT (S10 OR S16)
S21	960	S6(20N)S17
S22	83	S7(100N)S21
S23	76	S22 NOT (S10 OR S16 OR S20)
S24	25	S23 AND IC=G06F

12/3,K/10   (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01118380
METHOD AND SYSTEM FOR RETRIEVING RELEVANT DOCUMENTS FROM A DATABASE
METHODE UND VERFAHREN UM RELEVANTE DOKUMENTE IN EINER DATENBANK ZU FINDEN
PROCEDE ET SYSTEME POUR L'EXTRACTION DE DOCUMENTS PERTINENTS D'UNE BASE DE
    DONNEES
PATENT ASSIGNEE:
  KCSL, Inc., (2910941), Suite 1012, 5160 Yonge Street, Toronto, Ontario
    M2N 6L9, (CA), (Proprietor designated states: all)
INVENTOR:
  KAUFMAN, Ilia, 18 Brandy Court, Toronto, Ontario M3B 3L3, (CA)
LEGAL REPRESENTATIVE:
  Boyce, Conor et al (74271), F. R. Kelly & Co., 27 Clyde Road, Ballsbridge
  , Dublin 4, (IE)
PATENT (CC, No, Kind, Date): EP 1086432 A1   010328 (Basic)
                              EP 1086432 B1   040407
                              WO 1999064964 991216
APPLICATION (CC, No, Date):   EP 99924619 990607; WO 99CA531 990607
PRIORITY (CC, No, Date): US 88483 P 980608
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06F-017/30
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200415	779
CLAIMS B	(German)	200415	731
CLAIMS B	(French)	200415	857
SPEC B	(English)	200415	6447
Total word count - document A			0
Total word count - document B			8814
Total word count - documents A + B			8814

  . :.SPECIFICATION method of the invention takes into account the
    distribution of query-words in a document, a candidate **document** will
    receive a **higher similarity score** when the **document** includes a
    large concentration, or **clustering** , of query-words. This renders the
    method of the invention relatively immune to isolated and sporadic
    occurrences...

12/3,K/12   (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00781211
MULTI-LAYER INFORMATION STORAGE SYSTEM
MEHRSCHICHTINFORMATIONSSPEICHERSYSTEM
SYSTEME MULTICOUCHE DE STOCKAGE D'INFORMATION
PATENT ASSIGNEE:
  Koninklijke Philips Electronics N.V., (1489041), Groenewoudseweg 1, 5621
    BA Eindhoven, NL\(Proprietor designated states: , AT; BE; DE; FR; GB;
    IT; SE)
  PHILIPS NORDEN AB, (221813), Kottbygatan 5, Kista, 164 85 Stockholm,
    SE\(Proprietor designated states: , SE)
INVENTOR:
  COOPS, Peter, Groenewoudseweg 1, NL-5621 BA Eindhoven, (NL)
  HEEMSKERK, Jacobus, Petrus, Josephus, Groenewoudseweg 1, NL-5621 BA
    Eindhoven, (NL)
  VISSER, Derk, Groenewoudseweg 1, NL-5621 BA Eindhoven, (NL)

HOLTSLAG, Antonius, Hendricus, Maria, Groenewoudseweg 1, NL-5621 BA
    Eindhoven, (NL)
LEGAL REPRESENTATIVE:
  Visser, Derk et al (75441), Philips Intellectual Property & Standards
    P.O. Box 220, 5600 AE Eindhoven, (NL)
PATENT (CC, No, Kind, Date): EP 729629 A1 960904 (Basic)
                              EP 729629 B1 031105
                              WO 96006427 960229
APPLICATION (CC, No, Date): EP 95927046 950816; WO 95IB648 950816
PRIORITY (CC, No, Date): EP 94202416 940823; US 299861 940901
DESIGNATED STATES: AT; BE; DE; FR; GB; IT; SE
INTERNATIONAL PATENT CLASS: G11B-007/00
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200345	591
CLAIMS B	(German)	200345	488
CLAIMS B	(French)	200345	663
SPEC B	(English)	200345	6544
Total word count - document A			0
Total word count - document B			8286
Total word count - documents A + B			8286

...SPECIFICATION layers with a single spherical aberration compensation may
  be advantageously combined with the feature of the minimum **distance** of
  the **information** layers. A decease of the **minimum** **distance** increases
  the **number** of **information** layers that fit in a **stack** of a certain
  thickness. Hence, such a decrease increases the information density of
  the record carrier and...

 12/3,K/13   (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00772993
Method of identifying similarities in code segments
Verfahren zur Identifizierung von Gleichartigkeiten zwischen Codesegmenten
Methode d'identification de similitudes entre des segments de code
PATENT ASSIGNEE:
  AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
    (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Goodnow II, James E., 12477 Old Mine Road, Grass Valley, California 95945
    , (US)
  Helfman, Jonathan I., 151 Riverview Avenue, Gillette, New Jersey 07933,
    (US)
  Kowalski, Thaddeus J., 73 Stoneridge Road, Summit, New Jersey 07901, (US)
  Puttress, John J., 75 Elkwood Avenue, New Providence, New Jersey 07974,
    (US)
  Rowland, James R., 18 Thackeray Drive, Short Hills, New Jersey 07078,
    (US)
  Seaquist, Carl R., 1154 Terrace Acres Drive, Auburn, Alabama 36830, (US)
LEGAL REPRESENTATIVE:
  Buckley, Christopher Simon Thirsk et al (28912), Lucent Technologies, 5
    Mornington Road, Woodford Green, Essex IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 723224 A1 960724 (Basic)
APPLICATION (CC, No, Date):   EP 96300183 960110;
PRIORITY (CC, No, Date): US 373342 950117
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-011/00;
ABSTRACT WORD COUNT: 151

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	672
SPEC A	(English)	EPAB96	4076
Total word count - document A			4748
Total word count - document B			0
Total word count - documents A + B			4748

...SPECIFICATION applied. The intensity of block 330 represents the data
values. Illustratively, the darker the block 330, the **larger** the **data
value** .
   A **separate distance function** O(sub(D)) is used to compute
similarity measurements between pairs of operators from different
functions as...

 12/3,K/14   (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00684901
Analyzing an image to obtain a stable number of groups
Bildanalyse zur Emittlung einer stabilen Anzahl von Gruppen
Analyse d'image afin d'obtenir un nombre de groupes stable
PATENT ASSIGNEE:
   XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644,
      (US), (Proprietor designated states: all)
INVENTOR:
   Mahoney, James V., 1245 Kearny Street, Apt.2B, San Francisco, CA 94133,
      (US)
   Rao, Satyajit, 550 Memorial Drive, Apt. 17A2, Cambridge, MA 02139, (US)
LEGAL REPRESENTATIVE:
   Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
      , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 654752   A2   950524 (Basic)
                               EP 654752   A3   951206
                               EP 654752   B1   020313 .
APPLICATION (CC, No, Date):   EP 94308655 941123;
PRIORITY (CC, No, Date): US 158053 931124
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06K-009/20
ABSTRACT WORD COUNT: 246
NOTE:
   Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	1943
CLAIMS B	(English)	200211	2650
CLAIMS B	(German)	200211	2712
CLAIMS B	(French)	200211	3056
SPEC A	(English)	EPAB95	12837
SPEC B	(English)	200211	13069
Total word count - document A			14782
Total word count - document B			21487
Total word count - documents A + B			36269

...SPECIFICATION Fig. 4 finds a threshold that produces a stable number of
groups by iteratively applying thresholds to **distances data** , with
each iteration incrementing the threshold. The approach of Fig. 5 finds a
threshold that produces a stable number of groups by iteratively applying
thresholds to the **distances   data** , with each iteration increasing the
threshold by a difference between distances. The approach of Fig. 6 finds

a **threshold** that produces a stable **number** of **groups** by using
distances **data** to obtain differences between **distances** that occur,
and by then using the largest of the differences to obtain a threshold.
  In Fig...types of grouping. The act in box 356 uses the values from box
352 to obtain a **threshold** that would produce thresholded **distance**
data defining a **number** of **groups** . The number of groups is stable
across a larger range of thresholds than another number of groups...

...Fig. 11.
  The act in box 356 uses the data image from box 350 to obtain a
distances **data** image in which each pixel is labeled with a distance to
a near neighbor; in the data...

...SPECIFICATION Fig. 4 finds a threshold that produces a stable number of
groups by iteratively applying thresholds to **distances** **data** , with
each iteration incrementing the threshold. The approach of Fig. 5 finds a
threshold that produces a stable number of groups by iteratively applying
thresholds to the **distances** **data** , with each iteration increasing the
threshold by a difference between distances. The approach of Fig. 6 finds
a **threshold** that produces a stable **number** of **groups** by using
distances **data** to obtain differences between **distances** that occur,
and by then using the largest of the differences to obtain a threshold.
  In Fig...types of grouping. The act in box 356 uses the values from box
352 to obtain a **threshold** that would produce thresholded **distance**
data defining a **number** of **groups** . The number of groups is stable
across a larger range of thresholds than another number of groups...

...Fig. 11.
  The act in box 356 uses the data image from box 350 to obtain a
distances **data** image in which each pixel is labeled with a distance to
a near neighbor, in the data...

...CLAIMS meet a foreground neighbor border criterion, a distance to a near
      neighbor in the initial array; the **distance** data indicating a
      distance to a near neighbor for each value item in the initial array;
      the act of using the threshold data to obtain grouping **data** further
      comprising:
          grouping **value** items together that have **distances** that are
      below the **threshold** , or grouping **value** items together that have
      distances that are above the **threshold** , or in which the gap data
      indicate, for value items in the initial array that meet an...

...neighbor border criterion, a distance to a near neighbor in the
      complement of the initial array; the **distance** data indicating a
      distance to a near neighbor in the complement of the initial array
      for each value item in the initial array; the act of using the
      threshold data to obtain **grouping** **data** further comprising:
        grouping **value** items together that have **distances** that are
      above the **threshold** .
  12. A method of operating a machine that includes:
          a processor (66) connected for accessing a memory...

...CLAIMS to 5 in which the gap data indicate, for each value item in the
      initial array, a **distance** ; the threshold **data** indicating a
      threshold gap value; the act of using the threshold **data** to obtain
      grouping **data** comprising:
    comparing (274) the **threshold** gap **value** with each (262, 270, 272)
      distance indicated by the gap **data** .
  7. The method of one of claims 1 to 6 in which the reference criterion
      requires a...meet a foreground neighbor border criterion, a distance
      to a near neighbor in the initial array; the **distance** data
      indicating a distance to a near neighbor for each value item in the
      initial array; the act of using the threshold data to obtain grouping
       data further comprising:
    grouping **value** items together that have **distances** that are below

the threshold or
grouping **value** items together that have **distances** that are above the
threshold or in which the gap data indicate, for value items in the
initial array that meet an initial array; the **distance** data
indicating a **distance** to a near neighbor in the complement of the
initial array for each value item in the initial array; the act of
using the threshold data to obtain **grouping** **data** further
comprising:
grouping **value** items together that have **distances** that are above
the **threshold** .
22. A machine comprising:
memory (68; 192, 194; 520, 540) for storing data; and
a processor (66...

12/3,K/16   (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00488004

**Apparatus and method for determining and displaying the difference between
two technical drawings**
Gerat und Verfahren zur Ermittlung und Darstellung von Unterschieden
zwischen zwei technischen Zeichnungen
Dispositif et procede pour la determination et la presentation des
differences entre deux schemas techniques
PATENT ASSIGNEE:
KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho, Saiwai-ku,
Kawasaki-shi, Kanagawa-ken 210, (JP), (applicant designated states:
DE;FR;GB)
INVENTOR:
Doi, Miwako, c/o Intellectual Property Div., Toshiba Corporation, 1-1-1,
Shibaura, Minato-ku, Tokyo, (JP)
Fukui, Mika, c/o Intellectual Property Div., Toshiba Corporation, 1-1-1,
Shibaura, Minato-ku, Tokyo, (JP)
Okazaki, Akio, c/o Intellectual Property Div., Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, (JP)
Numagami, Hideo, c/o Intellectual Property Div., Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, (JP)
Okamoto, Yasukazu, c/o Intellectual Property Div., Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, (JP)
Tsuboi, Hiroyuki, c/o Intellectual Property Div., Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, (JP)
Hirakawa, Hideki, c/o Intellectual Property Div., Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, (JP)
Kurosawa, Yuuichi, c/o Intellectual Property Div., Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
BATCHELLOR, KIRK & CO. (100991), 2 Pear Tree Court Farringdon Road,
London EC1R 0DS, (GB)
PATENT (CC, No, Kind, Date):   EP 478315   A2   920401 (Basic)
                               EP 478315   A3   930609
                               EP 478315   B1   960814
APPLICATION (CC, No, Date):   EP 91308758 910925;
PRIORITY (CC, No, Date): JP 90255074 900927
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/30;
ABSTRACT WORD COUNT: 186

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	1501
CLAIMS B	(German)	EPAB96	1259

```
         CLAIMS B    (French)   EPAB96      1833
         SPEC B      (English)  EPAB96      4568
Total word count - document A          0
Total word count - document B       9161
Total word count - documents A + B  9161
```

...SPECIFICATION correspondence analysis section of the apparatus of
   Figure 3;
       Figure 10 shows a matrix for determining a **maximum** **similarity**
   value in the logical **information** **memory** section of the apparatus of
   Figure 3;
       · Figure 11A and 11B show an example of a node...

 12/3,K/25   **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01083293   **Image available**
METHOD AND APPARATUS FOR CLASSIFICATION OF A DATA OBJECT IN A DATABASE
PROCEDE ET APPAREIL DE CLASSIFICATION D'UN OBJET DE DONNEES DANS UNE BASE
     DE DONNEES
Patent Applicant/Assignee:
  KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
     Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated
     states except: US)
Patent Applicant/Inventor:
  BODLAENDER Maarten P, c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL, NL
     (Residence), NL (Nationality), (Designated only for: US)
Legal Representative:
  GROENENDAAL Antonius W M (agent), Philips Intellectual Property &
     Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200406128 A2-A3 20040115 (WO 0406128)
  Application: WO 2003IB2911 20030627 (PCT/WO IB03002911)
  Priority Application: EP 200277765 20020709
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
  SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4591

Fulltext Availability:
  Detailed Description

Detailed Description
... have multiple classification parameters associated with them. In that
   case, a data object is sorted in multiple **groups** .

   When the **data** objects have been **grouped** per equal value of at **least**
   one
   classification parameter, **similarity** of **data** objects with equal
   values of the classification parameter is identified in a process step
   404. The process step 404 comprises two...

01022586   **Image available**
INFORMATION RESOURCE TAXONOMY
TAXINOMIE DE RESSOURCES D'INFORMATIONS
Patent Applicant/Assignee:
  TELSTRA NEW WAVE PTY LTD, ACN 070 562 935, 242 Exhibition Street,
    MELBOURNE, Victoria 3000, AU, AU (Residence), AU (Nationality), (For
    all designated states except: US)
Patent Applicant/Inventor:
  RYAN Simon David, 11 Sandgate Avenue, GLEN WAVERLEY, Victoria 3150, AU,
    AU (Residence), AU (Nationality), (Designated only for: US)
  RASKUTTI Bhavani, 4 Empress Road, SURREY HILLS, Victoria 3127, AU, AU
    (Residence), AU (Nationality), (Designated only for: US)
  PHIET Do Quang, 25 Andleigh Drive, MULGRAVE, Victoria 3170, AU, AU
    (Residence), AU (Nationality), (Designated only for: US)
  SEMBER Peter Paul, 22 Neville Street, CARNEGIE, Victoria 3163, AU, AU
    (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
  DAVIES COLLISON CAVE (agent), WEBBER, David, Brian, PRYOR, Geoffrey,
    Charles, LESLIE, Keith, 1 Little Collins Street, MELBOURNE, Victoria
    3000, AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200352627 A1 20030626 (WO 0352627)
  Application: WO 2002AU1719 20021218 (PCT/WO AU0201719)
  Priority Application: AU 20019589 20011218
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
  SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
  TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4012

Fulltext Availability:
  Detailed Description
Detailed Description
... numeric similarity measure is then determined as a fimction of any two
  word vectors to determine the **similarity** of any two **documents**. For
  example, a new **cluster** can be formed by two **documents** if their
  similarity falls within a **threshold similarity** value for
  clustering. Once formed, a cluster is characterised ...measure used is
  the cosine similarity fimction, described in the TACT specification. The
  clustering process uses this **similarity** measure to **group** similar
  documents into **clusters** by assigning each **document** to the most
  similar **cluster**. An optimal **similarity threshold** value for
  creating **clusters** from a given **document** set is determined by creating
  different groupings of the documents at different thresholds and then
  evaluating these...this effect. In the first process, the coherence of
  the clusters is maintained as the number of **documents** n increases by
  reducing the **similarity** threshold with increasing n. In the second
  process, a new random sample better representing the population is...

  ...the optimality of the existing clusters and/or as a means for

determining a new quasi-optimal **similarity** **threshold** value for
subsequent re- **clustering** of the **document** space to improve accuracy.

To reduce the time required by the search for an optimal or quasi...

 12/3,K/27   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00969552   **Image available**
AUTOMATIC NATURAL CONTENT DETECTION IN VIDEO INFORMATION
DETECTION AUTOMATIQUE D'UN CONTENU NATUREL EN INFORMATION VIDEO
Patent Applicant/Assignee:
  KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
    Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated
    states except: US)
Patent Applicant/Inventor:
  MARCONI Matteo, Internationaal Octrooibureau B.V., Prof . Holstlaan 6,
    NL-5656 AA Eindhoven, NL, NL (Residence), IT (Nationality), (Designated
    only for: US)
  CARRAI Paola, Internationaal Octrooibureau B.V., Prof . Holstlaan 6,
    NL-5656 AA Eindhoven, NL, NL (Residence), IT (Nationality), (Designated
    only for: US)
  FERRETTI Giulio, Internationaal Octrooibureau B.V., Prof . Holstlaan 6,
    NL-5656 AA Eindhoven, NL, NL (Residence), IT (Nationality), (Designated
    only for: US)
Legal Representative:
  GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,
    Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 2002103617 A1 20021227 (WO 02103617)
  Application: WO 2002IB2279 20020614 (PCT/WO IB0202279)
  Priority Application: EP 2001202279 20010615
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4232

Fulltext Availability:
  Claims

Claim
... probability function for each line from said
  determined distances;
  means for classifying a line as containing natural **content** if the
  distance probability **function** has a **maximum** below a predetermined
  distance value ; and means for grouping together neighboring lines
  containing natural **content** to create **clusters** of natural **content** .

 12/3,K/29   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00871879   **Image available**
METHOD AND APPARATUS FOR ORDERING ELECTRONIC DATA
PROCEDE ET APPAREIL D'ORDONNANCEMENT DE DONNEES ELECTRONIQUES
Patent Applicant/Assignee:
  LION BIOSCIENCE AG, Im Neuenheimer Feld 515, 69120 Heidelberg, DE, DE
    (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  MINCH Eric, Altes Holz 4, 69207 Sandhausen, DE, DE (Residence), US
    (Nationality), (Designated only for: US)
Legal Representative:
  BOEHMERT & BOEHMERT (agent), Schohe, Stefan, Hollerallee 32·, 28209 Bremen
    , DE,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200205084 A2-A3 20020117 (WO 0205084)
  Application: WO 2001EP7801 20010706 (PCT/WO EP0107801)
  Priority Application: EP 2000114636 20000707; EP 2000115867 20000724; EP·
    2000125503 20001121
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to· 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
  LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14772

Fulltext Availability:
  Detailed Description

Detailed Description
... applied to this limiting value. Such aggregate functions especially
   comprise the mean pairw(inverted exclamation mark)se **distance** of the
   data set to all other data sets in the cluster which may be the
   arithmetic mean distance, the...

...distance defined in another way. A ftu-ther example of such an aggregate
   function is a median **distance** of a **data** set to all other **data** sets,
   Le. the **distance** **separating** the **lower** 50% of the **distance** **values**
    from the re.

   maining 50%, the latter lying above this value. One may also think of
   generalising...

 12/3,·K/32   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00571520   **Image available**
METHOD OF AND APPARATUS FOR IDENTIFYING SUBSETS OF INTERRELATED IMAGE
    OBJECTS FROM A SET OF IMAGE OBJECTS
PROCEDE ET APPAREIL SERVANT A IDENTIFIER DES SOUS-ENSEMBLES D'OBJETS
    D'IMAGES INTERRELIES DANS UN ENSEMBLE D'OBJETS D'IMAGES
Patent Applicant/Assignee:
  INTERNATIONAL BUSINESS MACHINES CORPORATION,
  IBM UNITED KINGDOM LIMITED,
Inventor(s):
  YAUNG Alan Tsu-I,
Patent and Priority Information (Country, Number, Date):

Fulltext Availability:
  Detailed Description

Detailed Description
... 322. Data comparator 320 has a first data input to receive a
  plurality of similarity values from **similarity** matrix 310 and a second
  data input to receive threshold criteria data 312. Data comparator 320
  is
  executable to compare each of the plurality of **similarity**   values of
  similarity matrix 310 with **threshold** criteria **data** 312, preferably
  as
  described below.

  Cluster assignor 322 is executable to generate cluster data 314 in
  connection with data comparator 320. Cluster data...

24/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01885276
Systems and methods for performing electronic information retrieval
Elektronische Systemen und Verfahren um Informationswiederauffindung
durchzufuhren
Systemes et methodes electroniques permettant la recherche d'informations
PATENT ASSIGNEE:
  Xerox Corporation, (219004), Patent Department, Xerox Square - 20 A, 100
    Clinton Avenue South, Rochester, New York 14644, (US), (Applicant
    designated States: all)
INVENTOR:
  Franciosa, Alain, 11 Rue Des Lilias, 38240 Meylan, (FR)
  Dance, Christopher R. Les Hameaux Des Glezy, Apt. C03 136 Route Des
    Petites Roches, 38660 La Terasse, (FR)
LEGAL REPRESENTATIVE:
  Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
    , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1524610 A2 050420 (Basic)
APPLICATION (CC, No, Date): EP 2004024558 041014;
PRIORITY (CC, No, Date): US 605630 031015; US 605631 031015
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06F-017/30
ABSTRACT WORD COUNT: 281
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200516   803
      SPEC A   (English) 200516   9922
Total word count - document A   10725
Total word count - document B   0
Total word count - documents A + B   10725

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION and pre-processed descriptions. Such a system would
  advantageously operate using either hardcopy or electronic forms of
  documents as input.

  SUMMARY OF INVENTION
    In accordance with one aspect of the invention there is provided a
  method, system and...

...the keywords in a multilingual document that are translated and keywords
  identified in OCRed images of electronic **documents** ; (f) are adapted to
  summarize search results.

  BRIEF DESCRIPTION OF DRAWINGS
    These and other aspects of the invention will become apparent from...
  the results are excessive (i.e., over a predefined limit) or are
  insufficient (i.e., under a **predefined** **number**) that have **distance**
  measurements within the **preset** **threshold** **value** , then act 416 is
  performed; otherwise, act 418 is performed.
    At 416, if there exists more than...

...electronic document, and is adapted to return a set of documents
  (including their locations (e.g., URLs), **summaries** , **text** **content** ,
  applied services) that includes documents similar (i.e., matches,

revisions, relations) to the input document and also...

 24/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01868586
Using semantic feature structures for document comparisons
Vergleich von Dokumenten unter Verwendung semantischer Strukturen
Comparaison de documents utilisant des structures de caracteristique
    semantiques
PATENT ASSIGNEE:
   SURFCONTROL PLC, (2829851), Riverside, Mountbatten Way, Congleton,
     Cheshire CW12 1DY, (GB), (Applicant designated States: all)
INVENTOR:
   Maddox, Paul Christoper, Riverside Mountbatten Way, Congleton Cheshire
     CW12 1DY, (GB)
LEGAL REPRESENTATIVE:
   Kack, Jurgen, Dipl.-Ing. (93671), Kahler Kack Mollekopf Patentanwalte
     Vorderer Anger 239, 86899 Landsberg, (DE)
PATENT (CC, No, Kind, Date):   EP 1515241 A2   050316 (Basic)
APPLICATION (CC, No, Date):   EP 2004019257 040813;
PRIORITY (CC, No, Date): US 662270 030915
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
   HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06F-017/30
ABSTRACT WORD COUNT: 132
NOTE:
   Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A   (English) 200511   810
     SPEC A   (English) 200511   4673
Total word count - document A   5483
Total word count - document B   0
Total word count - documents A + B   5483

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION security and efficiency objectives of a corporate entity.
   What is needed is an effective means of providing **document** comparison
   and/or recognition.

    SUMMARY OF THE INVENTION
     Semantic comparisons of computer readable textual items are achieved
   using a rules base that...
...point. When there are no more common points to be scored, the final
   scoring is determined. A **threshold** value of **similarity** may be
   predetermined , so that all textual items that exceed the similarity
   threshold will be classified as "the same," which...

 24/3,K/6   (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01778597
Intelligent video information management system
Intelligentes System zur Verwaltung von Videoinformationen
Systeme intelligent de gestion d'informations video
PATENT ASSIGNEE:

Sensormatic Electronics Corporation, (882795), 6600 Congress Avenue, Boca
    Raton, Florida 33487, (US), (Applicant designated States: all)
INVENTOR:
  Nunally, Patrick O., 2227 Villa Verde Road, San Diego, California 92029,
    (US)
  MacCormack, David Ross, 3344 31st Street, San Diego, CA 92104-4620, (US)
  Winter, Gerhard Josef, 7408 Park Village Road, San Diego, CA 92129, (US)
  Klein, Harry Eric, 9627 Babauta Road, San Diego, CA 92129-4933, (US)
  Nguyen, William Thanh, 10642 Mallard Drive, Garden Grove, CA92843-3324,
    (US)
  Lin-Liu, Sen, 13005 Brixton Place, San Diego, CA 92130-1325, (US)
  Nguyen, Lyn, 7422 Mason Heights Lane, San Diego, CA 92126, (US)
LEGAL REPRESENTATIVE:
  Hafner, Dieter, Dr. Dipl.-Phys. (52271), Hafner & Stippl, Patentanwalte,
    Schleiermacherstrasse 25, 90491 Nurnberg, (DE)
PATENT (CC, No, Kind, Date): EP 1450275 A2 040825 (Basic)
                             EP 1450275 A2 040825
APPLICATION (CC, No, Date): EP 2004004123 971001;
PRIORITY (CC, No, Date): US 742017 961031; US 741715 961031; US 740628
    961031; US 741982 961031; US 741914 961031; US 741983 961031; US 729620
    961031; US 740651 961031; US 742015 961031; US 741650 961031; US 740627
    961031
DESIGNATED STATES: DE; FR; GB; SE
RELATED PARENT NUMBER(S) - PN (AN):
  EP 1010315 (EP 97910786)
INTERNATIONAL PATENT CLASS: G06F-017/30
ABSTRACT WORD COUNT: 100
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A   (English) 200435   2183
     SPEC A   (English) 200435   75079
Total word count - document A   77262
Total word count - document B   0
Total word count - documents A + B   77262
INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION to tailor the system to particular applications.
    There have been proposed many techniques for filtering video image
  data in order to detect significant features of the image represented by
  the image data. Writings in this...degree of similarity between the data
  block and the corresponding block of the preceding frame, comparing the
  similarity metric with a **predetermined** **threshold** **value** , selecting,
  on the basis of the comparison of the **similarity** metric with the
  threshold value , one of a first mode for generating and coding values
  for the data block and a second...

  24/3,K/9   (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01453570
Play list generation device, audio information provision device, system,
    method, program and recording medium
Gerat zur Erstellung von Abspiellisten sowie ein Gerat, ein System, ein
    Verfahren, ein Programm und ein Aufnahmemedium fur die Bereitstellung
    von Audioinformationen
Dispositif pour la generation de listes d'ecoute et dispositif, systeme,
    procede, programme et support d'enregistrement pour la provision
    d'informations audio
PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,
    Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)
INVENTOR:
  Yamane, Hiroaki, 107, 15-7, Shimoshimacho, Kadoma-shi, Osaka 571-0075,
    (JP)
  Tagawa, Junichi, 46-4-302, Yamadaikehigashimachi, Hirakata-shi, Osaka
    573-0165, (JP)
  Misaki, Masayuki, 1-4-128-903, Koyochonaka, Higashinada-ku, Kobe-shi,
    Hyogo 658-0032, (JP)
LEGAL REPRESENTATIVE:
  Balsters, Robert et al (83702), Novagraaf SA 25, Avenue du Pailly, 1220
    Les Avanchets - Geneva, (CH)
PATENT (CC, No, Kind, Date):   EP 1244033   A2   020925 (Basic)
                                EP 1244033   A3   040901
                                EP 1244033   A3   040901
APPLICATION (CC, No, Date):   EP 2002006524 020319;
PRIORITY (CC, No, Date): JP 200179914 010321
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
    LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/30
ABSTRACT WORD COUNT: 141
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English) 200239   2134
      SPEC A   (English) 200239   13153
Total word count - document A   15287
Total word count - document B   0
Total word count - documents A + B   15287
INTERNATIONAL PATENT CLASS: ·G06F-017/30

...SPECIFICATION at least one audio information stream corresponding to at
    least one related information stream having a coordinate **value** within a
    prescribed range from a reference coordinate **value** which is obtained
    based on the plurality of coordinate **values** , based on a **distance**
    between the coordinate **value** included in the at **least** one related
    information stream and the reference coordinate value.
    In one embodiment of the invention, the condition...

...at least one audio information stream corresponding to at least one
    related information stream having a coordinate **value** within a
    prescribed range from a reference coordinate **value** which is obtained
    based on the plurality of coordinate **values** , based on a **distance**
    between the coordinate **value** included in the at **least** one related
    information stream and the reference coordinate value.
    In one embodiment of the invention, the step...The audio information
    streams stored in the audio information database 40 are each provided
    with an audio **information** stream number. An index **abstract** , or the
    like of the contents of each audio information stream may also be stored
    as a...

 24/3,K/10   (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01355379
Information retrieval system
System zum Wiederauffinden von Informationen
Systeme de recouvrement d'information
PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,
    Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)
INVENTOR:
  Naito, Eiichi, 2-31, Takigi-kuwanoki, Kyotanabe-shi, Kyoto 610-0341, (JP)
  Araki, Shoichi, 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka
    536-0002, (JP)
  Kutsumi, Hiroshi, 1-4-31, Terakata-nishikidori, Moriguchi-shi, Osaka
    570-0042, (JP)
  Ozawa, Jun, 3810-2-506, Obuchi-cho, Nara-shi, Nara 631-0005, (JP)
  Maruno, Susumu, 4-4-3, Yamate-minami, Kyotanabe-shi, Kyoto 610-0354, (JP)
LEGAL REPRESENTATIVE:
  Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
  , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1156430 A2 011121 (Basic)
APPLICATION (CC, No, Date): EP 2001111883 010516;
PRIORITY (CC, No, Date): JP 2000145168 000517
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/30**
ABSTRACT WORD COUNT: 135
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200147	1340
SPEC A	(English)	200147	6461
Total word count - document A			7801
Total word count - document B			0
Total word count - documents A + B			7801

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION required to check whether or not like information already
  exists in the collection. This is burdensome to **information** providers.
  SUMMARY OF THE INVENTION
  An object of the present invention is providing an information
retrieval system capable of...if the highest one of the similarity values
Ek obtained in step S609 is equal to or **more than a predetermined
value** , the **similarity** operation section 32 determines that there is
the answer similar to the answer A input by the...

  24/3,K/11   (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01310940
**Method and apparatus for retrieving and delivering documents, and recording
  media storing a program therefor**
System und Gerat zum Wiederauffinden und Zustellen von Dokumenten und
  Speichermedium mit entspechendem Program
Systeme et appareil de recouvrement et de distribution de donnees et
  support d'enregistrement avec un programme dans ce but
PATENT ASSIGNEE:
  Hitachi, Ltd., (204151), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101-8010, (JP), (Applicant designated States: all)
INVENTOR:
  Inaba, Yasuhiko, Hitachi, Ltd., Intell.Prop.Gr., New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Matsubayashi, Tadataka, c/o Hitachi, Ltd., New Marunouchi Bldg., 5-1,
    Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Tada, Katsumi, Hitachi, Ltd., Intell. Prop. Gr., New Marunouchi Bldg.,

5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
Okamoto, Takuya, Hitachi, Ltd., Intell. Prop. Gr., New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
Sugaya, Natsuko, Hitachi, Ltd., Intell. Prop. Gr., New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
Ushiroji, Yousuke, Hitachi, Ltd., Intell.Prop. Gr., New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
  Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1122651 A2 010808 (Basic)
                              EP 1122651 A3 040114
APPLICATION (CC, No, Date): EP 2000104382 000302;
PRIORITY (CC, No, Date): JP 200032625 000203
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/30
ABSTRACT WORD COUNT: 61
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   200132   1668
    · SPEC A   (English)   200132   15443
Total word count - document A   17111
Total word count - document B   0
Total word count - documents A + B   17111

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION document retrieving and delivering system of prior art 1.
  This leads to a problem that the statistic **information** cannot be easily
  obtained.

    SUMMARY OF THE INVENTION
    It is therefore an object of the present invention to provide a system
  in...of similarity for users 2 and 3 are obtained as 0 and 6.6,
  respectively.
    When the **similarity** exceeds a **predetermined** delivery **threshold**
  value , the text is delivered to the user associated with the pertinent
  retrieval condition. Since the threshold value...than the delivery
  threshold value are additionally delivered in the similarity descending
  order. Resultantly, even when the **number** of texts of which **similarity**
  exceeds the delivery **threshold** **value** set by the user is **less** **than**
  that of texts desired by the user, a **predetermined** **number** of texts
  can be additionally delivered to the user. Therefore, when no text is
  delivered to the...

 24/3,K/12   (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00875924
Document search system
Dokumentsuchsystem
Systeme de recherche de documents
PATENT ASSIGNEE:
  INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123),   , Armonk, NY
    10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Kubota, Rie, 1623-14, Shimotsuruma, Yamato-shi, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:

Davies, Simon Robert (75451), I B M UK Intellectual Property Department
     Hursley Park, Winchester, Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): .EP 802492 A1 971022 (Basic)
APPLICATION (CC, No, Date):   EP 97302600 970416;
PRIORITY (CC, No, Date): JP 9695691 960417
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/30
ABSTRACT WORD COUNT: 175

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9710W3	1159
SPEC A	(English)	9710W3	20406
Total word count - document A			21565
Total word count - document B		·	0
Total word count - documents A + B			21565

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION by storing delimiter patterns and their position
information for the end of title and the end of abstract .
* Search for document with strong association between plurality of
character strings
    It would be a common demand to perform searcn...line(s) in applicable
document(s) may display all character strings with the input similarity
factor or higher together with their similarity factor, document
numbers , position numbers in document and the like, or simply display
only predetermined   numerals . The order of display may be the sequence
of appearance in the document(s) or in the...

 24/3,K/15   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01064166   **Image available**
INTER-TERM RELEVANCE ANALYSIS FOR LARGE LIBRARIES
ANALYSE DE PERTINENCE INTER-TERMES POUR BIBLIOTHEQUES DE GRANDE DIMENSION
Patent Applicant/Assignee:
  X-MINE INC, 1000 Marina Boulevard, Suite 450, Brisbane, CA 94005, US, US
     (Residence), US (Nationality)
Inventor(s):
  RAY Sandip, 772 20th Avenue, San Francisco, CA 94121, US,
  PODOWSKI Raf M, 4113 Margaret Court, San Mateo, CA 94403, US,
  FRANKS Kasian, 7400 Redwood Boulevard, Apartment 202, Novato, CA 94945,
     US,
Legal Representative:
  IVEY James D (agent), LAW OFFICES of JAMES D. IVEY, 3025 Totterdell
     Street, Oakland, CA 94611-1742, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200394054 A2 20031113 (WO 0394054)
  Application: WO 2003US13445 20030429 (PCT/WO US0313445)
  Priority Application: US 2002135194 20020429
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
  SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

Fulltext Word Count: 3805

Main International Patent Class: G06F-017/30
Fulltext Availability:
  Detailed Description

Detailed Description
... herein as the subject article.

  In step 306, distiller 104 extracts the textual body of the subject
  article . The title, **abstract** , figures, and other metadata of the
  subject article are discarded. This prevents the metadata from
  influencing the...

  ...while high proximity scores represent terms generally appearing
  distanced from one another.

  In an alternative embodiment, proximity **scores** 906 are calculated as
  some **predetermined** **number** , e.g., twenty-five, minus the **distance**
  between terms as a **number** of terms and is never **less** **than** one if
  the terms appear in the same language unit, e.g., in the same sentence.
  Thus...

  24/3,K/17   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00993619   **Image available**
**METHOD, COMPUTER PROGRAM PRODUCT AND DEVICE FOR ARRANGING COORDINATE AREAS
    RELATIVE TO EACH OTHER**
**PROCEDE, PRODUIT PROGRAMME D'ORDINATEUR ET DISPOSITIF PERMETTANT DE
    DISPOSER DES ZONES DE COORDONNEES LES UNES PAR RAPPORT AUX AUTRES**
Patent Applicant/Assignee:
  ANOTO AB, Scheelevagen 19 C, S-223 70 Lund, SE, SE (Residence), SE
    (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  ANDERSSON Jan B, 824 Coventry Court, Sunnyvale, CA 94087, US, US
    (Residence), SE (Nationality), (Designated only for: US)
  BURSTROM Stefan, Kamnarsvagen 8B:201, S-226 45 Lund, SE, SE (Residence),
    SE (Nationality), (Designated only for: US)
Legal Representative:
  AWAPATENT AB (agent), Box 5117, S-200 71 Malmo, SE,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200323595 A1 20030320 (WO 0323595)
  Application: WO 2002SE1618 20020910 (PCT/WO SE0201618)
  Priority Application: SE 20012984 20010910; US 2001318909 20010914
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
  CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
  DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU
  ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
  MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN
  TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English

Fulltext Word Count: 9812

Main International Patent Class: G06F-003/033
Fulltext Availability:
  Detailed Description

Detailed Description
... program product and a device that
  enable a user to arrange a plurality of such documents
  or **data** sets in a simple way.

  Summary of the Invention
  The above object is achieved wholly or pdrtially by
  a method according to claim...on
  the imaginary surface between pairs of coordinates for
  two points recorded directly after each other is **less**
  than a certain **predetermined** **distance** **value** . A physically
  continuous line can thus he discontinuous if, when it is
  recorded in electronic form, it...detected when the distance on the
  imaginary surface
  between two points recorded directly after each other is
  larger than said **predetermined** **distance** **value** . The
  predetermined **distance** **value** can be selected depending
  upon which type of area is being recorded. An
  electronically recorded line comprising...

 24/3,K/18   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00766052   **Image available**
SYSTEM AND METHOD FOR DETECTING TEXT SIMILARITY OVER SHORT PASSAGES
SYSTEME ET PROCEDE DE DETECTION DE SIMILARITE DE TEXTE SUR DE COURTS
  PASSAGES
Patent Applicant/Assignee:
  THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 116th Street
    and Broadway, New York, NY 10027, US, US (Residence), US (Nationality),
    (For all designated states except: US)
Patent Applicant/Inventor:
  KLAVANS Judith L, 40 South Drive, Hastings-on Hudson, NY 10706, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ESKIN Eleazar, Columbia University, Shapiro Room 722, 116th Street and
    Broadway, New York, NY 10027, US, US (Residence), — (Nationality)
    , (Designated only for: US)
  HATZIVASSILOGLOU Vasileios, Columbia University, Shapiro Room 724, 116th
    Street and Broadway, New York, NY 10027, US, US (Residence), —
    (Nationality), (Designated only for: US)
Legal Representative:
  TANG Henry, Baker Botts LLP, 30 Rockefeller Plaza, New York, NY
    10112-0228, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200079426 A1 20001228 (WO 0079426)
  Application: WO 2000US40238 20000619   (PCT/WO US0040238)
  Priority Application: US 99139930 19990618
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  JP US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 5723

Main International Patent Class: G06F-017/21

Fulltext Availability:
  Detailed Description

Detailed Description
... algorithm can add the total value of composite features found in the
  text segments and compare this **value** against a **similarity** ·**threshold**
  . Similarly, although it is preferred to determine feature values based
  on the use of a machine learning algorithm, feature **values** can be
  predetermined based on human experience through the use of a look-up
  table. Alternatively, all features can be...

...determining similarity in small text segments described
  herein form an important component in larger systems, such as **document**
  archiving systems and multi- **document** **summarization** systems.

  Although the present invention

 24/3,K/19   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00542291   **Image available**
SEARCH SYSTEM AND METHOD BASED ON MULTIPLE ONTOLOGIES
SYSTEME ET PROCEDE DE RECHERCHE FONDES SUR DE MULTIPLES ONTOLOGIES
Patent Applicant/Assignee:
  JARG CORPORATION,
  BACLAWSKI Kenneth P,
Inventor(s):
  BACLAWSKI Kenneth P,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200005664 A1 20000203 (WO 0005664)
  Application: WO 99US16953 19990723 (PCT/WO US9916953)
  Priority Application: US 9894113 19980724; US 9894110 19980724
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AU CA CN ID IL JP MX US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
  PT SE
Publication Language: English
Fulltext·Word Count: 9142

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
  Detailed Description

Detailed Description
... No. 5,694,593. Assigned to Northeastern University, Boston, MA.

  3 K. Baclawski and D. Simovici. An **abstract** model for semantically rich
   information retrieval. Technical report, Northestern University,
  Boston, MA, March 1994.

  4 A. Campbell and S. Shapiro. Algorithms for...with the highest
  similarity in each target ontology are returned. In another embodiment
  all objects which generate **similarity** **values** **greater** than a
  predetermined **value** are considered sufficiently similar to the query
  to be returned to the user as relevant information.

  Once...

 24/3,K/20   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00542290   **Image available**
DISTRIBUTED COMPUTER DATABASE SYSTEM AND METHOD FOR PERFORMING OBJECT SEARCH
SYSTEME DE BASE DE DONNEES D'ORDINATEUR REPARTIE ET PROCEDE DE MISE EN OEUVRE D'UNE RECHERCHE D'OBJETS
Patent Applicant/Assignee:
  JARG CORPORATION,
  BACLAWSKI Kenneth P,
Inventor(s):
  BACLAWSKI Kenneth P,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200005663 A2 20000203 (WO 0005663)
  Application: WO 99US16925 19990723 (PCT/WO US9916925)
  Priority Application: US 9894110 19980724; US 9894347 19980728
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
  AU CA CN ID IL JP MX US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 13747
Main International Patent Class: G06F-017/30
Fulltext Availability:
  Detailed Description

Detailed Description
... also features and metadata. The data model used for such a database can support the representation of **information** at many levels of **abstraction** , including.

1 5
1. The **data** representation level, which contains the actual data of the information object.

2. The data object level, which...Computer Science, Northeastern University, Boston, MA, 1997.

4. P. Hayes and J. Carbonell. Scout - automated query-relevant **document summarization** . Technical Report 1997 Project **Summary** , Carnegie Group, Pittsburgh, PAv 1997.

5. Y. Ohta. Knowledge-Based Interpretation of Outdoor Natural Color Scenes.
Pitman...3 service can be requested. Then, based on the measure of similarity, the implementation can return a **predetermined number** , N. of objects with the highest similarity, or, alternatively, all objects that generate **similarity values greater** than a **predetermined value** , which are considered sufficiently similar to the query to be returned to the user as relevant information...

File 347:JAPIO Nov 1976-2005/Jan(Updated 050506)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200530
        (c) 2005   Thomson Derwent

```
Set      Items    Description
S1       568637   DISTANCE? ? OR SIMILARITY
S2        21887   S1(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PR-
                  ESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR -
                  TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR
                  TELECAST? ?)
S3       125475   (DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER-
                  ??? OR CATEGORIZ? OR CATEGORIS?)(5N)(STORY OR STORIES OR ARTI-
                  CLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFO-
                  RMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR W-
                  EBPAGE? ? OR B
S4       384780   (BUFFER??? OR MEMORY OR RAM OR STACK OR QUEU????)(5N)(STORY
                  OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ?
                  OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP?
                  ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S5        21767   S1(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ? OR -
                  FUNCTION? ?)
S6         3094   S5(5N)(SMALLER OR MINIMAL OR MINIMUM OR LEAST OR LOWEST OR
                  LOWER OR (LESS OR MORE)()(THEN OR THAN) OR GREATER OR HIGHER -
                  OR LARGER OR BIGGER OR MAXIMUM OR THRESHOLD? ?)
S7        26049   (SUMMARY OR SUMMARIES OR SUMMARIZ? OR SUMMARIS? OR ABSTRAC-
                  T? OR SYNTHES? OR SYNOPSI?)(5N)(STORY OR STORIES OR ARTICLE? ?
                  OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION
                  OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE?
                  ? OR BROADC
S8           60   S2 AND S3:S4 AND S6
S9            1   S7 AND S8
S10          59   S8 NOT S9
S11           4   S10 AND AC=US/PR
S12           4   S11 AND AY=(1970:2002)/PR
S13          48   S10 AND PY=1970:2002
S14          49   S12:S13
S15           6   S6 AND S2 AND S7
S16           5   S15 NOT S8
```

14/5/11   (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

04785650   **Image available**
OBJECT RECOGNIZING METHOD

PUB. NO.:   07-078250 [JP 7078250 A]
PUBLISHED: March 20, 1995 (19950320)
INVENTOR(s):   NAKAYAMA MAKIYUKI
                 MAEDA TOMOYUKI
APPLICANT(s):   KOBE STEEL LTD [000119] (A Japanese Company or Corporation),
                 JP (Japan)
APPL. NO.:   05-161446 [JP 93161446]
FILED: June 30, 1993 (19930630)
INTL CLASS: [6] G06T-007/00
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other)
JAPIO KEYWORD:R098. (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD &
                 BBD)

ABSTRACT

PURPOSE: To improve recognition accuracy for an object by narrowing down or
supplementing the recognition information of the object by unifying various
kinds of information.
CONSTITUTION: The first similarity of an object 1 to be detected for each
object in an object **group** is computed from first detection **data** D by a
CCD camera 2 and natural quantity stored in memory 4 in advance and
detected by the CCD camera 2 in an object 1 group. One or more candidates
similar to the object 1 to be detected are extracted from the object group
based on the first similarity. Second **similarity** is computed from second
detection **data** D by a scale 3 and the natural quantity stored in the
memory 4 in advance for each candidate and detected by the scale 3. An
information unifying part 7 couples the first similarity with the second
similarity for each candidate by using, for example, Dempsfer-Shafer
binding rule, and one of the **maximum** **values** for coupled **similarity** is
selected and displayed on a display part 8.

14/5/12   (Item 12 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

04587703   **Image available**
CHARACTER RECOGNITION METHOD AND CHARACTER RECOGNITION DEVICE USING THIS
METHOD

PUB. NO.:   06-259603 [JP 6259603 A]
PUBLISHED: September 16, 1994 (19940916)
INVENTOR(s):   NAKAYAMA YUMI
                 TSUTSUMIDA TOSHIO
APPLICANT(s):   N T T DATA TSUSHIN KK [000000] (A Japanese Company or
                 Corporation), JP (Japan)
APPL. NO.:   05-075071 [JP 9375071]
FILED: March 10, 1993 (19930310)
INTL CLASS: [5] G06K-009/62; G06K-009/68
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)
JAPIO KEYWORD:R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)
JOURNAL: Section: P, Section No. 1844, Vol. 18, No. 665, Pg. 17,
                 December 15, 1994 (19941215)

ABSTRACT

PURPOSE: To provide the character recognition device which can most
suitably and stably determine the proper limit of error of candidates with
respect to the recognition result of a character pattern.

CONSTITUTION: Category **information** and distance value **information** having **smaller** **values** among **distance** **values** between a feature vector of a character pattern and standard vectors in character category units are outputted from a discriminating part 3. A similar category **group** number to which category **information** among these outputs belongs is determined by a coefficient selecting part 16, and the discrimination coefficient value of each similar category group for distinction between the inclination of correct read .and that of erroneous read, **distance** value **information** , and difference value **data** where the distribution form of the whole of a distance value string is noticed are led to a candidate probability calculating part 18, and the limit of error of candidates are derived from inner products between the discrimination coefficient value and plural difference value data.

 14/5/14   (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO
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03968068   **Image available**
DEVICE FOR RETRIEVING GRAPHIC   .

PUB. NO.:   04-333168 [JP 4333168 A]
PUBLISHED: November 20, 1992 (**19921120**)
INVENTOR(s):   SHIMA MITSUHIDE   ·
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
               · Corporation), JP (Japan)
APPL. NO.:   03-102559 [JP 91102559]
FILED: · May 08, 1991 (19910508)
INTL CLASS: [5] G06F-015/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL:·   Section: P, Section No. 1517, Vol. 17, No. 179, Pg. 83, April
               07, 1993 (19930407)

                              ABSTRACT
PURPOSE: To output the required number of graphics from the graphic with a highest similarity degree in sequence by calculating **distance** between respective kinds of graphic **data** and examplified graphic data and displaying the image of the required number of the graphics from one with short distance in sequence.

CONSTITUTION: The number of the distance unit necessary for the one change of the change of intra-respective graphic elements and the change of intra-. respective connection relations concerning graphic **data** is previously set and a **distance** operation means 10 compares the respective kinds of graphic data stored in a storage data **memory** 3 with graphic **data** stored in a retrieve condition **memory** 6 so as to calculate how many distance unit has to be changed in order to be mutually coincident graphic data. A retrieving means 7 copes the calculated number of the distance unit with the respective kinds of graphic **data** in the storage **data** **memory** 3 and decides the required number of graphic data inputted by a retrieve condition input means 4 from the minimum number of the unit in sequence. Furthermore, a retrieve result output means 8 reads the graphic image corresponding to the graphic data from the **minimum** **number** of the **distance** unit in sequence and displays it.

 14/5/18   (Item 18 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

03116279   **Image available**
INFORMATION RECOGNIZING SYSTEM

PUB. NO.:   02-091779 [JP 2091779 A]

ABSTRACT

PURPOSE: To include a correct recognized result and to more efficiently
contract the number of candidates by generating the threshold to contract
the candidates by the **maximum** value and the **minimum** **value** of the
 distance   of a pattern inputted to a contraction function and a standard
pattern.

CONSTITUTION: The **distance** of respective standard vector **information**
 groups of the pattern **information** of input information extracted by an
extracting means 2 is calculated by a calculating means and based on the
minimum distance, the threshold is determined by a threshold determining
part 8. Thereafter, the distance group calculated by the determined
threshold is contracted and the candidate group based on the standard
vector corresponding with selection outputting means 7 and 9 is outputted.
Thus, when the information to be a recognizing object is recognized and a
candidate is outputted, the correct recognized result can be included in a
small number of output candidates with high probability. By generating the
threshold contracting the candidates by the **maximum** value and the
 minimum **value** of the **distance** of the pattern inputted to the
contraction function and the standard pattern, the correct recognized
result is included and the contraction of the number of candidates is made
more effective.

 14/5/26   **(Item 2 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014819298   **Image available**
WPI Acc No: 2002-640004/ 200269
XRPX Acc No: N02-505908
    Document   clustering **device for customer management in enterprise,**
 ·performs clustering of document group , **based on** similarity threshold
    value **and** similarity **between each** document
Patent Assignee: SUMITOMO ELECTRIC IND LTD (SUME) ; JOHO SHORI SHINKO
   JIGYO KYOKAI (JOHO-N) ; SUMITOMO ELECTRIC IND CO (SUME)
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002230012	A	20020816	JP 2001343778	A	20011108	200269	B
CN 1432908	A·	20030730	CN 2002151836	A	20021108	200365	

Priority Applications (No Type Date) : JP 2000366976 A 20001201
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002230012	A		19	G06F-017/30	
CN 1432908	A			G06F-007/00	

Abstract (Basic): JP 2002230012 A
     NOVELTY - A calculator calculates the **similarity** between each
   document in a **document** group . Another calculator calculates a
   similarity threshold **value** , based on the **similarity** between each
   document . A **clustering** unit performs the **clustering** of the
   document group , based on the calculation results.

USE - For customer management in enterprise.
ADVANTAGE - The representation **document** of each **cluster** is
performed simply and quickly.
DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the
document **clustering** system. (Drawing includes non-English language
text).
pp; 19 DwgNo 16/19
Title Terms: DOCUMENT; DEVICE; CUSTOMER; MANAGEMENT; PERFORMANCE; DOCUMENT;
 GROUP; BASED; SIMILAR; THRESHOLD; VALUE; SIMILAR; DOCUMENT
Derwent Class: T01
International Patent Class (Main): G06F-007/00; G06F-017/30
International Patent Class (Additional): G06F-017/27
File Segment: EPI

 14/5/27   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014454797   **Image available**
WPI Acc No: 2002-275500/ **200232**
XRPX Acc No: N02-215004
 Data analysis method involves selecting minimum   value **indicating**
 similarity **between input** data **as reference** value **for converting data**
Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001   Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind Date   Week
JP 2002024206 A   20020125 JP 2000206835   A   20000704 200232 B

Priority Applications (No Type Date): JP 2000206835 A 20000704
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
JP 2002024206 A   6 G06F-017/18

Abstract (Basic): JP 2002024206 A
     NOVELTY - The values indicating **similarity** between each **data** in
 an input **data** **group** are calculated. The minimum calculated value is
 selected and used as reference for converting the **data** in the **data**
 group .
     USE - For analysis of base sequence **data**   **group** and amino acid
 data   **group** .
     ADVANTAGE - The **similarity** of **data** in a **data** **group** can be
 determined effectively.
     DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining
 data analysis procedure. (Drawing includes non-English language text).
     pp; 6 DwgNo 1/6
Title Terms: DATA; ANALYSE; METHOD; SELECT; MINIMUM; VALUE; INDICATE;
 SIMILAR; INPUT; DATA; REFERENCE; VALUE; CONVERT; DATA
Derwent Class: T01
International Patent Class (Main): G06F-017/18
International Patent Class (Additional): C12N-015/00
File Segment: EPI

 14/5/28   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014311644   **Image available**
WPI Acc No: 2002-132346/ **200218**
XRPX Acc No: N02-099852
 Electronic data set ordering for database management, involves setting
 minimum and maximum distance of data set pair to be less than **and**
 exceed limiting values **, based on difference of** distance of **pair and**

preset value
Patent Assignee: LION BIOSCIENCE AG (LION-N); MINCH E (MINC-I)
Inventor: MINCH E
Number of Countries: 096 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1170674	A2	20020109	EP 2000125503	A	20001121	200218	B
WO 200205084	A2	20020117	WO 2001EP7801	A	20010706	200218	
AU 200172527	A	20020121	AU 200172527	A	20010706	200234	
US 20030145014	A1	20030731	WO 2001EP7801	A	20010706	200354	
			US 2003332234	A	20030106		
JP 2004503849	W	20040205	WO 2001EP7801	A	20010706	200412	
			JP 2002509880	A	20010706		

Priority Applications (No Type Date): EP 2000115867 A 20000724; EP
  2000114636 A 20000707
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1170674	A2	E	25	G06F-017/30	

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI TR

WO 200205084	A2	E		G06F-007/08	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
    JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
    PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200172527	A			G06F-007/08	Based on patent WO 200205084
US 20030145014	A1			G06F-017/00	
JP 2004503849	W		78	G06F-017/30	Based on patent WO 200205084

Abstract (Basic): EP 1170674 A2
    NOVELTY - The minimum **distance** of a pair of data sets and the
    distance between **data** sets of a pair of **clusters** are less than a
    determined lowest limiting value, if a determined difference of the
    distance of a **data** set pair and specified **distance** is greater than
    or equal to 0. The maximum distance of the pair and the **distance**
    between the **data** sets are greater than a determined highest limiting
    value, if the difference is less than or equal to 0.
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
    (a) Electronic data set ordering apparatus and apparatus operation
    method;
    (b) Database and computer program
    USE - For database management in computer.
    ADVANTAGE - The maximum number of data levels is limited, thus the
    simple data structure is achieved.
    DESCRIPTION OF DRAWING(S) - The figure shows the sample of
    graphical display of documents.
    pp; 25 DwgNo 5/8
Title Terms: ELECTRONIC; DATA; SET; ORDER; DATABASE; MANAGEMENT; SET;
  MINIMUM; MAXIMUM; DISTANCE; DATA; SET; PAIR; LESS; LIMIT; VALUE; BASED;
  DIFFER; DISTANCE; PAIR; PRESET; VALUE
Derwent Class: T01
International Patent Class (Main): G06F-007/08; G06F-017/00; G06F-017/30
File Segment: EPI

 14/5/30   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013106451   **Image available**
WPI Acc No: 2000-278322/ **200024**

XRPX Acc No: N00-209665
    Pattern detecting device for distinction of coins
Patent Assignee: SANKYO SEIKI MFG CO LTD (SAOB)
Number of Countries: 001   Number of Patents: 002
Patent Family:
Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000076510	A	20000314	JP 98243814	A	19980828	200024	B
JP 3641368	B2	20050420	JP 98243814	A	19980828	200527	

Priority Applications (No Type Date): JP 98243814 A 19980828
Patent Details:
Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000076510	A		8	G07D-005/00	
JP 3641368	B2		9	G07D-005/00	Previous Publ. patent JP 2000076510

Abstract (Basic): JP 2000076510 A
        NOVELTY - A distinction unit (10) is provided to distinguish a
    target pattern by collating the target pattern with a reference
    pattern. The distinction unit includes a rewritable memory (11) which
    stores **threshold value data** corresponding to a **similarity** in
    pattern distinction. A communication controller (12) rewrites and
    controls the threshold value data based on an external indication.
        USE - For distinction of coins.
        ADVANTAGE - Enables suitable modification of threshold value data,
    and enables setting of suitable distinction capability. Reduces
    modification cost and shortens modification period. DESCRIPTION OF
    DRAWING(S) - The figure shows the block diagram of pattern detecting
    device. (10) Distinction unit; (11) Rewritable memory; (12)
    Communication controller.
        Dwg.1/7
Title Terms: PATTERN; DETECT; DEVICE; DISTINCT; COIN
Derwent Class: T05
International Patent Class (Main): G07D-005/00
File Segment: EPI

 14/5/31   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012832435   **Image available**
WPI Acc No: 2000-004267/ 200001
XRPX Acc No: N00-003713
    **Aural data search apparatus in multimedia communication - outputs input
    search aural data or corresponding attribute information , when computed
    similarity in extracted characteristics of input search and key aural
    data, is more than preset value**
Patent Assignee: ANIMO KK (ANIM-N)
Number of Countries: 001   Number of Patents: 001
Patent Family:
Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11282857	A	19991015	JP 9881131	A	19980327	200001	B

Priority Applications (No Type Date): JP 9881131 A 19980327
Patent Details:
Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11282857	A		11	G06F-017/30	

Abstract (Basic): JP 11282857 A
        NOVELTY - A calculator (1e) computes the similarity in extracted
    characteristics of input search and key aural data. An output unit (1f)
    outputs the input search aural data or the corresponding attribute
    information , when the computed **similarity** is **more than**
    predetermined **value** . DETAILED DESCRIPTION - The aural **data** searched
    from a **memory** (3a) of server (3), are input to input unit (1a),

through a network (2). Key aural data are input to another input unit
(1c). An INDEPENDENT CLAIM is also included for software for aural data
searching.
   USE - For searching aural data in multimedia communication.
   ADVANTAGE - Since the similarity in extracted characteristics of
input search aural data and key aural data is computed, desired
speaker's aural data are acquirable from database. Enables searching of
aural data even without knowing speaker's name. DESCRIPTION OF
DRAWING(S) - The figure shows theoretical diagram explaining the
principle involved in aural data searching. (1a,1c) Input units; (1e)
Calculator; (1f) Output unit; (2) Network; (3) Server; (3a) Memory.
   Dwg.1/17
Title Terms: AURAL; DATA; SEARCH; APPARATUS; COMMUNICATE; OUTPUT; INPUT;
   SEARCH; AURAL; DATA; CORRESPOND; ATTRIBUTE; INFORMATION; COMPUTATION;
   SIMILAR; EXTRACT; CHARACTERISTIC; INPUT; SEARCH; KEY; AURAL; DATA; MORE;
   PRESET; VALUE
Derwent Class: P86; T01; W04
International Patent Class (Main): G06F-017/30
International Patent Class (Additional): G10L-003/00
File Segment: EPI; EngPI

   14/5/33   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012394479   **Image available**
WPI Acc No: 1999-200586/ 199917
XRPX Acc No: N99-148414
   Document searching apparatus - includes server which searches out
   sub-document from transposition file based on vector expression of input
   search conditions
Patent Assignee: JUST SYSTEM KK (JUST-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 11045254   A   19990216   JP 97199614   A   19970725   199917   B

Priority Applications (No Type Date): JP 97199614 A 19970725
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 11045254   A   8 G06F-017/30

Abstract (Basic): JP 11045254 A
   NOVELTY - A search server (103) converts the search condition input
from a client (100) into vector expression and searches out the
corresponding sub-document from a transposition file (102) based on the
vector expression of input search conditions. DETAILED DESCRIPTION - A
document (DB101) is divided into groups each of which consists of
arbitrary number of sentences. The transposition file (102) defines the
 divided group as a sub- document , converts the sub-document into
a vector expression, and stores in a predetermined unit. The search
server (103) compares the similarity of stored vector expression of
sub-document, and vector expression of input search conditions. The
sub- documents whose similarity exceed a predetermined threshold
value are selected, and listed. An INDEPENDENT CLAIM is included for a
recording medium storing program for operating a computer to search
documents.
   USE - None given.
   ADVANTAGE - Obtains description in the document relevant to the
input search conditions directly, and utilizes the search result
effectively. Documents containing some other topics are also searched
reliably. Eases solution of desired sub-document. DESCRIPTION OF
DRAWING(S) - The drawing shows the system block diagram of the document
searching apparatus. (100) Client; (102) Transposition file; (103)

Search server.
      Dwg.1/6
Title Terms: DOCUMENT; SEARCH; APPARATUS; SERVE; SEARCH; SUB; DOCUMENT;
  TRANSPOSE; FILE; BASED; VECTOR; EXPRESS; INPUT; SEARCH; CONDITION
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

Set	Items	Description
S1	1069148	DISTANCE? ? OR SIMILARITY
S2	38936	S1(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S3	240224	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER??? OR CATEGORIZ? OR CATEGORIS?)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR B
S4	79134	(BUFFER??? OR MEMORY OR RAM OR STACK OR QUEU????)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S5	70299	S1(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ? OR FUNCTION? ?)
S6	5302	S5(5N)(SMALLER OR MINIMAL OR MINIMUM OR LEAST OR LOWEST OR LOWER OR BELOW OR ABOVE OR (LESS OR MORE)()(THEN OR THAN) OR GREATER OR HIGHER OR LARGER OR BIGGER OR MAXIMUM OR THRESHOLD? ?)
S7	607860	(SUMMARY OR SUMMARIES OR SUMMARIZ? OR SUMMARIS? OR ABSTRACT? OR SYNTHES? OR SYNOPSI?)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADC
S8	13974	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ?)
S9	47	S2 AND S3:S4 AND S6
S10	1	S9 AND S7:S8
S11	85	S3:S4(15N)S8
S12	4	S2 AND S11
S13	1	S7 AND S11
S14	5	S12:S13
S15	4	RD (unique items)
S16	73	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR

```
             PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? -
             OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(5N)(VALUE? ?
             OR SCORE? ? OR NUMBER? ? OR NUMERAL? ?)(5N)(BUFFER? ? OR QUEU-
             E? ?)
S17          0    S2 AND S16
S18          0    S5 AND S16
```

15/5/1   (Item 1 from file: 8)

05464054   E.I. No: EIP00014980365
   Title: **Clustering algorithm based on competitive learning**
   Author: de la Torre, Javier; Vico, Francisco J.; Veredas, Francisco J.
   Corporate Source: Universidad de Malaga, Malaga, Spain
   Conference Title: Proceedings of the 1999 Artificial Neural Networks in Engineering Conference (ANNIE '99)
   Conference   Location: St.   Louis,   MO,   USA   Conference   Date:
19991107-19991110
   E.I. Conference No.: 56243
   Source: Intelligent   Engineering   Systems   Through   Artificial   Neural
Networks v 9 1999. p 765-770
   Publication Year: 1999
   CODEN: IEANFQ
   Language: English
   Document Type: JA; (Journal Article)   Treatment: T; (Theoretical)
   Journal Announcement: 0003W2
   Abstract: The competitive learning algorithm yields a fixed number of categories as it forms groups with the n-dimensional objects of the workspace. A way to establish how good these categories are is to consider the number of objects that belong to the class and the mean distance from them to the class prototype. These values ascertain the category's generality and similarity. Depending on a certain particular problem, it may occur that the only interesting categories are those that meet some **preset values** for generality and **similarity** . In this **article** , a **clustering** algorithm based on competitive learning is proposed, in which the clustering process is repeated for those objects that do not satisfy the above conditions, while saving the categories that do. Due to this iterative process, the formed groups finally meet the required values of generality and similarity. (Author abstract) 6 Refs.
   Descriptors: *Learning systems; Learning algorithms; Iterative methods
   Identifiers: Clustering algorithms; Competitive learning
   Classification Codes:
   723.4 (Artificial Intelligence); 921.6 (Numerical Methods)
   723 (Computer Software); 921 (Applied Mathematics)
   72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

   15/5/2   (Item 1 from file: 2)

8303422   INSPEC Abstract Number: C2005-04-7240-028
   Title: **Cross-comparison for two-dimensional text categorization**
   Author(s): Di Nunzio, G.M.
   Author Affiliation: Dept. of Inf. Eng., Padua Univ., Italy
   Conference Title: String Processing and Information Retrieval. 11th
International Conference, SPIRE 2004. Proceedings (Lecture Notes in Comput.
Sci. Vol.3246)   p.125-6
   Editor(s): Apostolico, A.; Melucci, M.
   Publisher: Springer-Verlag, Berlin, Germany
   Publication Date: 2004 Country of Publication: Germany   xiv+332 pp.
   ISBN: 3 540 23210 9   Material Identity Number: XX-2004-02233
   Conference Title: String Processing and Information Retrieval. 11th
International Conference, SPIRE 2004. Proceedings
   Conference Sponsor: Department of Information Eng. of the Univ. of Padova
; Inst. of High Performance Comput. and Networking (ICAR) of the Nat. Res.
Council (CNR); Italian Assoc. for Informatics and Automatic Computation
(AICA); Elsevier
   Conference Date: 5-8 Oct. 2004   Conference Location: Padova, Italy
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Practical (P)

Abstract: The organization of large text collections is the main goal of automated **text** **categorization** . In particular, the final aim is to classify documents into a certain **number** of **pre - defined** categories in an efficient way and with as much accuracy as possible. On-line and run-time services, such as personalization services and information filtering services, have increased the importance of effective and efficient document categorization techniques. In the last years, a wide range of supervised learning algorithms have been applied to this problem. Recently, a new approach that exploits a two-dimensional **summarization** of the **data** for **text** classification was presented. This method does not go through a selection of words phase; instead, it uses the whole dictionary to present data in intuitive way on two-dimensional graphs. Although successful in terms of classification effectiveness and efficiency, this method presents some unsolved key issues: the design of the training algorithm seems to be ad hoc for the Reuters-21578 collection; the evaluation has only been done only on the 10 most frequent classes of the Reuters-21578 dataset; the evaluation lacks measure of significance in most parts; the method adopted lacks a mathematical justification. We focus on the first three aspects, leaving the fourth as the future work. (4 Refs)
Subfile: C
Descriptors: classification; information filtering; text analysis
Identifiers: two-dimensional text categorization; large text collections; automated text categorization; predefined categories; online services; run-time services; personalization services; information filtering services ; document categorization; two-dimensional summarization; text classification; Reuters-21578 collection; two-dimensional graphs
Class Codes: C7240 (Information analysis and indexing); C6130D (Document processing techniques)

15/5/3   (Item 1 from file: 144)

16568643   PASCAL No.: 04-0217276
Text categorization with ILA
Computer and information sciences : Antalya, 3-5 November 2003
SEVER Hayri; GORUR Abdulkadir; TOLUN Mehmet R
YAZICI Adnan, ed; SENER Cevat, ed
Department of Computer Engineering, Baskent University, 06530 Baglica, Ankara, Turkey; Department of Computer Engineering, Eastern Mediterranean University (Via Mersin 10), Famagusta, T.R.N.C. , Turkey; Department of Computer Engineering, Atilim University, 06836 Incek, Ankara, Turkey
ISCIS 2003 : international symposium on computer and information sciences, 18 (Antalya TUR) 2003-11-03
Journal: Lecture notes in computer science, 2003, 2869 300-307
ISBN: 3-540-20409-1 ISSN: 0302-9743 Availability: INIST-16343; 354000117812430380
No. of Refs.: 8 ref.
Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)
Country of Publication: Germany
Language: English
The sudden expansion of the web and the use of the internet has caused some research fields to regain (or even increase) its old popularity. Of them, **text** **categorization** aims at developing a classification system for assigning a **number** of **predefined** topic codes to the documents based on the knowledge accumulated in the training process. We propose a framework based on an automatic inductive classifier, called ILA, for text categorization, though this attempt is not a novel approach to the information retrieval community. Our motivation are two folds. One is that there is still much to do for efficient and effective classifiers. The second is of ILA's (Inductive Learning Algorithm) well-known ability in capturing by canonical rules the distinctive features of text categories. Our results with respect to the Reuters 21578 corpus indicate (1) the

reduction of features by information gain measurement down to 20 is essentially as good as the case where one would have more features; (2) recall/precision breakeven points of our algorithm without tuning over top 10 categories are comparable to other **text** categorization methods, namely **similarity** based matching, naive Bayes, Bayes nets, decision trees, linear support vector machines, steepest descent algorithm.

English Descriptors: Text; Internet; Classification; On line; Information retrieval; Inductive learning; Learning algorithm; **Information** measure; **Similarity** ; Categorization; World wide web; Knowledge base; Recall; Steepest descent method; Vector support machine

Set	Items	Description
S1	793710	DISTANCE? ? OR SIMILARITY
S2	68892	S1(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S3	835642	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER-??? OR CATEGORIZ? OR CATEGORIS?)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR W-EBPAGE? ? OR B
S4	136296	(BUFFER??? OR MEMORY OR RAM OR STACK OR QUEU????)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADCAST? ? OR TELECAST? ?)
S5	21771	S1(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ? OR FUNCTION? ?)
S6	1369	S5(5N)(SMALLER OR MINIMAL OR MINIMUM OR LEAST OR LOWEST OR LOWER OR BELOW OR ABOVE OR (LESS OR MORE)()(THEN OR THAN) OR GREATER OR HIGHER OR LARGER OR BIGGER OR MAXIMUM OR THRESHOLD? ?)
S7	235371	(SUMMARY OR SUMMARIES OR SUMMARIZ? OR SUMMARIS? OR ABSTRACT? OR SYNTHES? OR SYNOPSI?)(5N)(STORY OR STORIES OR ARTICLE? ? OR DOCUMENT? ? OR PRESS()RELEASE? ? OR CONTENT OR INFORMATION OR DATA OR NEWS OR TEXT? ? OR CLIP? ? OR PAGE? ? OR WEBPAGE? ? OR BROADC
S8	13588	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(5N)(VALUE? ? OR SCORE? ? OR NUMBER? ? OR NUMERAL? ?)
S9	7	S2(50N)S3:S4(50N)S6
S10	7	RD (unique items)
S11	342	(DIVID? OR SEPARAT? OR PARTITION??? OR GROUP??? OR CLUSTER-??? OR CATEGORIZ? OR CATEGORIS?)(10N)S8
S12	0	S5(30N)S11
S13	338	(PREDETERMIN? OR PRESET? OR PREESTABLISH? OR PREDEFIN? OR PREARRANGED OR PRESCRIBED OR (PREVIOUSLY OR PRE)()(DETERMIN? OR SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED))(7N)(BUFFER? ? OR QUEUE? ?)
S14	0	S5(50N)S13

S15   0   S2(50N)S13

10/3,K/1   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

09824639   SUPPLIER NUMBER: 19938970   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**PRIMUS Telecommunications Acquires Telepassport and Assets of USFI; PRIMUS
  Expands Into Japan and Germany**
PR Newswire, p1020NYM147
Oct 20, 1997
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 599   LINE COUNT: 00057

...   base."
      PRIMUS Telecommunications Group, Incorporated is a global
telecommunications company focused on providing domestic and international
long- **distance** voice, **data** , private network and **value** -added services
to **more**   **than** 100,000 customers worldwide. Founded in 1994, PRIMUS today
operates from headquarters in Vienna, Va., with over...

...region. News and information are available on the Internet at
http://www.primustel.com .
      To receive additional **information** on PRIMUS Telecommunications
Group , Incorporated via fax at no charge, dial 1-800-PRO-INFO and enter
code PRTL.
      Investors are...

 10/3,K/2   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02849573 795114391
**GOAL PROGRAMMING FORMULATIONS FOR A COMPARATIVE ANALYSIS OF SCALAR NORMS
AND ORDINAL VS. RATIO DATA**
Lee, Sang M; Olson, David L
INFOR v42n3 PP: 163-174 Aug 2004
ISSN: 0315-5986 JRNL CODE: IOR
WORD COUNT: 4284

...TEXT: mining techniques include linear discriminant analysis and various
forms of multiple criteria programming classification. Objectives used in
data mining include maximization of **minimum** distances of **data**
records from critical **values** , as well as separation of data records
by minimizing the sum of deviations from critical values. These build upon
the basic goal programming...

 10/3,K/3   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02241223 84987053
Targets and how to assess performance against them
Walsh, Paul
Benchmarking v7n3 PP: 183-199 2000
ISSN: 1463-5771 JRNL CODE: BCHK
WORD COUNT: 5499

...TEXT: relative to target must be considered as a separate exercise. The
methods below only apply to performance **data** that can be **categorised** as
business as usual, that is stable performance. Periods where shifts or
trends are present must be considered as separate calculations.

Case 1. **Less**   **than** 30 points - counting and **distance** methods

When the **number** of **data** points is **less** **than** 30, the methods are statistically unsophisticated. Two methods are presented, the counting and distance methods.

The counting...

 10/3,K/4   (Item 3 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
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01334691 99-84087
The changing careers of patients with chronic mental illness: A study of sequential patterns in mental health service utilization
Wuerker, Anne K
Journal of Mental Health Administration v23n4 PP: 458-470 Fall 1996
ISSN: 0092-8623 JRNL CODE: MHA
WORD COUNT: 5813

...TEXT: input was to the cluster program. For both analyses, two-stage density linkage produced the most distinct **clusters** , although other **clustering** methods **grouped** the **data** in very similar ways.

A five-cluster solution was chosen for the frequency data, based on peaks
...

...of the clustering history. Note that in the SAS cluster program, fewer diagnostic statistics are available for **distance** **data** . Although a **smaller** **number** of **clusters** would seem to be better given N = 49, the clustering history showed that beyond eight, the largest...

 10/3,K/5   (Item 4 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
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00507661 90-33418
An Investigation of Document Structures
Shaw, William M., Jr.
Information Processing & Management v26n3 PP: 339-348 1990
ISSN: 0306-4573 JRNL CODE: IPM

ABSTRACT: Clustering is a useful tool in exploratory **data** analysis. The presence of **clustering** structure in a **document** collection and the influence of this presence on the success of cluster-based retrieval are investigated as a **function** of term-weight and **similarity** **thresholds** . The term-weight **threshold** selects a specific level of indexing exhaustivity for a **document** representation, while the **similarity** threshold specifies the level of the associated single-link hierarchy. Clear evidence for clustering structure is found...

 10/3,K/6   (Item 5 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
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00310368 86-10782
An Investigation of Document Partitions
Shaw, W. M., Jr.
Information Processing & Management v22n1 PP: 19-28 1986
ISSN: 0306-4573 JRNL CODE: IPM

ABSTRACT: The empirical significance of **document** **partitions** as a **function** of term-weight and **similarity** **thresholds** is investigated. The term-weight threshold selects a particular level of indexing

exhaustivity and specificity for the **document** representation. The **similarity** threshold selects a specific level of the related single-link hierarchy. The results demonstrate that the same...

...These results represent the first step in an investigation designed to determine if the statistical relevance of **document** **partitions** can explain the empirical significance of the same partitions.   ...

  10/3,K/7   (Item 1 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
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00763198
 WORLDCOM REPORTS LOWER NET EARNINGS
WASHINGTON TELECOM NEWSWIRE
April 26, 2001 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: WARREN PUBLISHING INC.
LANGUAGE: ENGLISH   WORD COUNT: 247   RECORD TYPE: FULLTEXT

        (c) WARREN PUBLISHING INC. All Rts. Reserv.

TEXT:
 Number 2 U.S. long- **distance** carrier WorldCom posted **lower** first quarter income as its declining long- **distance** telephone business offset its higher **data** , Internet and international revenues. WorldCom, which plans to create a tracking stock for its shrinking consumer and...

...worldwide rose to $9.7
billion, from $9.6 billion a year earlier. Revenues for the WorldCom **group** , which includes its **data** business, rose 12% to $6.1 billion. Of this, data and Internet services brought in $2.8...